

MECHANICAL DATA

| | |
|------------------------------------|---------------|
| Maximum Overall Length | 2-7/16 Inches |
| Maximum Overall Diameter | 1.005 Inches |

ELECTRICAL DATA

HEATER CHARACTERISTICS

| | |
|--------------------------|-----------|
| Heater Voltage | 6.3 Volts |
| Heater Current | 400 Ma |

DIRECT INTERELECTRODE CAPACITANCES (Max.)

| | |
|----------------------------|--------------------|
| Grid to Plate | 1.40 μf |
| Grid to Cathode | 2.00 μf |
| Plate to Cathode | 0.15 μf |

RATINGS (Absolute Values)

| | | |
|------------------------------------|-----------|------|
| Plate Voltage | 350 Volts | Max. |
| Plate Dissipation | 4 Watts | Max. |
| Operating Frequency | 3000 Mc | Max. |
| Maximum Seal Temperature | 175°C | |

CHARACTERISTICS

Conditions: ($E_b=180$ volts dc, $R_k=400$ ohms)

| | |
|--------------------------------|-----------------------|
| Plate Current | 4.0 Ma |
| Transconductance | 4500 μmhos |
| Amplification Factor | 85 |

TYPICAL OPERATION

Grounded Grid Amplifier, 3000 mc

| | |
|----------------------------|-----------|
| Plate Voltage | 150 Volts |
| Plate Current | 7.0 Ma |
| Cathode Resistor | 100 Ohms |
| Power Gain | 5 DB |

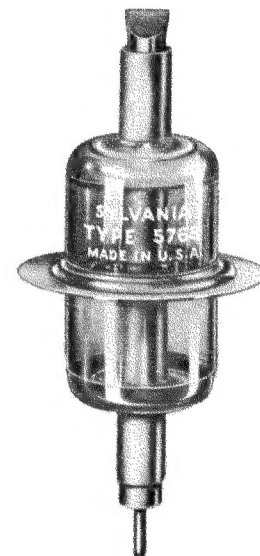
APPLICATION DATA

The Sylvania Type 5768 is designed for service as a grounded grid amplifier at frequencies up to 3000 mc and may be used with a tuned or untuned input and tuned coaxial line output. Frequency ratios of about 4 to 1 (250-1000 mc) for continuous tuning can be obtained up to 1000 mc with no dead spots throughout the range. Ratios of about 3 to 1 can likewise be obtained up to 3300 mc.

The Sylvania Type 5768 planar triode features a stretched, parallel-wire grid that results in stable, uniform operation; a unique cathode design that minimizes discontinuities in the cathode structure; and a disc-seal type of construction that satisfies the requirements for low lead inductance. The mechanical configuration provides maximum isolation between input and output circuits.

QUICK REFERENCE DATA

The Sylvania Type 5768 is a high mu planar triode designed primarily for operation as a grounded grid cw amplifier in the 1000-3000 mc range.



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OUTLINE DRAWING

